



Emerging Gold Developer and Advanced Copper Explorer in Ecuador

Investor Presentation | September 2024



ASX: TTM



[TITANMINERALS.COM.AU](https://titanminerals.com.au)



Disclaimer and Forward-Looking Statements

COMPETENT PERSON'S STATEMENTS

Exploration results referred to in this presentation have been previously reported by Titan in ASX announcements. Titan confirms that it is not aware of any new information or data that materially affects the information included in that announcement. The Competent Person for the presentation was Melanie Leighton. The Company confirms that the form and context in which the Competent Person's findings are presented have not been materially modified from the original market announcements.

The information in the presentation that relates to the Estimation and Reporting of the Dynasty Mineral Resources has been compiled and reviewed by Ms Elizabeth Haren of Haren Consulting Pty Ltd who is an independent consultant to Titan Minerals Limited and is a current Member and Chartered Professional of the Australasian Institute of Mining and Metallurgy and Member of the Australian Institute of Geoscientists. Ms Haren has sufficient experience, which is relevant to the style of mineralisation and type of deposit under consideration and to the activities undertaken, to qualify as a Competent Person as defined in the 2012 Edition of the "Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves (The JORC Code)". Ms Haren consents to the inclusion in this report of the matters based on her information in the form and context in which it appears.

Dynasty Project	Indicated					Inferred					Total				
	Tonnes (M)	Grade (g/t)		Contained Metal (Moz)		Tonnes (M)	Grade (g/t)		Contained Metal (Moz)		Tonnes (M)	Grade (g/t)		Contained Metal (Moz)	
		Au	Ag	Au	Ag		Au	Ag	Au	Ag		Au	Ag	Au	Ag
Cerro Verde	15.17	2.01	13.51	0.98	6.59	13.63	2.15	12.44	0.94	5.45	28.80	2.08	13.00	1.92	12.04
Iguana	2.41	2.36	16.08	0.18	1.25	8.52	1.92	13.00	0.53	3.56	10.93	2.02	13.68	0.71	4.81
Trapichillo	0.05	1.89	9.28	0.00	0.01	2.89	3.83	39.80	0.36	3.70	2.94	3.80	39.31	0.36	3.71
Papayal	0.46	3.04	48.24	0.05	0.72	0.41	6.24	53.80	0.08	0.71	0.87	4.54	50.85	0.13	1.43
Total	18.09	2.09	14.73	1.21	8.57	25.44	2.33	16.40	1.90	13.41	43.54	2.23	15.70	3.12	21.98

Notes:
1. Reported ≥ 0.5 g/t Au. 2. Some rounding errors may be present. 3. Tables are rounded as the final steps. Totals are not calculated after rounding. 4. M – million. Oz- ounce. g/t – grams per tonne.

COPPER EQUIVALENT (CU EQ) VALUES – REQUIREMENTS UNDER THE JORC CODE

Assumed commodity prices for the calculation of Copper Equivalent (Cu Eq) is Cu US\$3.00/lb, Au US\$1,700/oz, Mo US\$14/lb and Ag US\$20/oz. Recoveries are assumed from similar deposits: Cu = 85%, Au = 65%, Ag = 65%, Mo = 80%. Cu Eq (%) was calculated using the following formula: ((Cu% x Cu price 1% per tonne x Cu recovery) + (Au(g/t) x Au price per g/t x Au recovery) + (Mo ppm x Mo price per g/t x Mo recovery) + Ag ppm x Ag price per g/t x Ag recovery)) / (Cu price 1% per tonne x Cu recovery). Cu Eq (%) = Cu (%) + (0.54 x Au (g/t)) + (0.00037 x Mo (ppm)) + (0.0063 x Ag (ppm)). TTM confirms that it is the Company's opinion that all the elements included in the metal equivalents calculation have a reasonable potential to be recovered and sold.

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AUTHORISATION

Released with the authority of the board of Titan Minerals Ltd.



Titan Investment Proposition

Near-term gold developer & copper explorer in elephant country

Emerging Tier 1 Mining Jurisdiction



Ecuadorian government supportive of mining, with significant support and incentives

Management with Proven Capability



Experienced board and capability to deliver value through discovery and development across multiple projects

Emerging Gold-Silver Developer



3.1Moz Gold & 22Moz Silver resources established, targeting +5Moz Gold resource through growth drilling

First Mover Advantage with Optionality

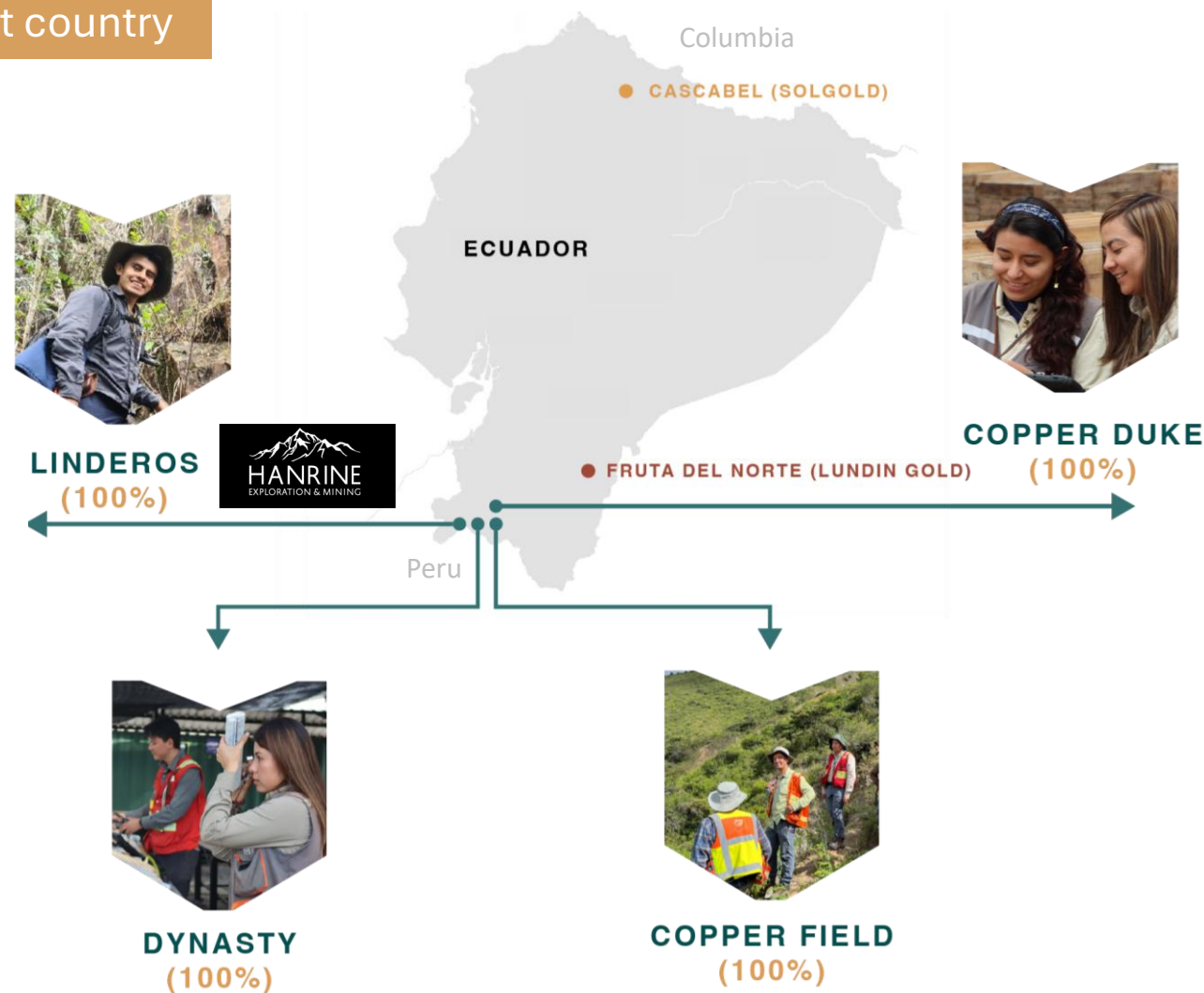


World class copper-gold project portfolio in highly prospective, under-explored Andean Copper Belt

Partner Secured for Copper Exploration



Hancock Prospecting¹ to spend up to US\$120M to acquire 80% of Linderos Project, the first of 3 copper projects





Corporate Snapshot

Titan poised for rerate- quality projects and strong sentiment for gold and copper

Capital Structure

ASX	TTM
Share Price	\$0.45
Shares on Issue	184 M
Options	44M (27M @ 35c, exp 31 Jan 25) (14M @ 70c, exp 31 Jan 26)
Market Cap	\$82M \$102M (fully dilute)
52 week low/ high	\$0.17/\$0.55
Average volume (90 days)	450K
Cash Debt Receivables	\$1.6M* \$3.35M \$3.8M (balance of Zaruma asset sale)

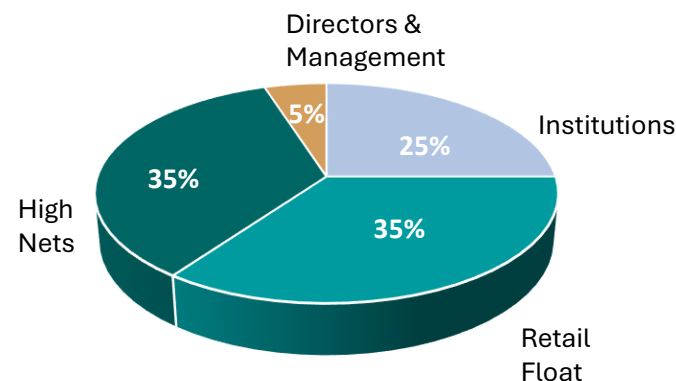
*AUD at 30 June 2024

**US\$1.75M due upon execution of definitive Linderos JV
Earn-In Agreement with Hanrine

Share Price Graph



Shareholders



- **Strong institutional backing**
- **60 % held by Top 20 shareholders**
- **74% held by Top 50 shareholders**

One of the best performing ASX
junior explorers in 2024



Board & Management Team

Right team assembled to add substantial value through discovery and development



PETER COOK
NON-EXECUTIVE CHAIRMAN
Geologist & Mineral Economist

- +35 years' experience in exploration, mining and corporate management.
- Founded and served as Managing Director/ Chairman for many successful mining and exploration companies.



MATTHEW CARR
EXECUTIVE DIRECTOR
Entrepreneur & Project Developer

- Experienced company director, founder of Urban Capital Group, a private equity firm with a focus on property backed investment and security.



BARRY BOURNE
NON-EXEC DIRECTOR
Geologist and Geophysicist

- Founder and Principal Consultant at Terra Resources, specialising in exploration targeting.
- Previously held senior and management roles with Barrick Gold and Homestake Gold.



MELANIE LEIGHTON
CHIEF EXECUTIVE OFFICER
Geologist & Business Master

- Geologist with +20 years' experience in exploration, development and mining across precious and base metals.
- Considerable experience in Latin America and porphyry copper deposits.
- Previous roles include management and senior roles with Hot Chili Ltd and Harmony Gold.



PABLO MORELLI
EXPLORATION MANAGER

- Geologist with + 20 years' experience working across epithermal systems as well as copper- and gold-rich porphyry systems.
- Previous roles held with Barrick, Newmont, Kinross and Rio Tinto.
- Experience across Cretaceous, Palaeocene, Eocene-Oligocene and Miocene Belts of Chile and Mexico.



MICHAEL SKEAD
CHIEF TECHNICAL ADVISOR

- Geologist with + 30 years' experience in exploration, development and mining.
- Former Director of Geoscience in Newmont's Global Projects Team and Former Director of Global Exploration for Goldcorp.
- Significant experience in emerging mining jurisdictions
- Spent 1 year in Ecuador building out the team



Ecuador, Emerging Tier 1 Mining Jurisdiction

Investment in new jurisdictions to meet future metals demand

1. Highly Prospective, Underexplored

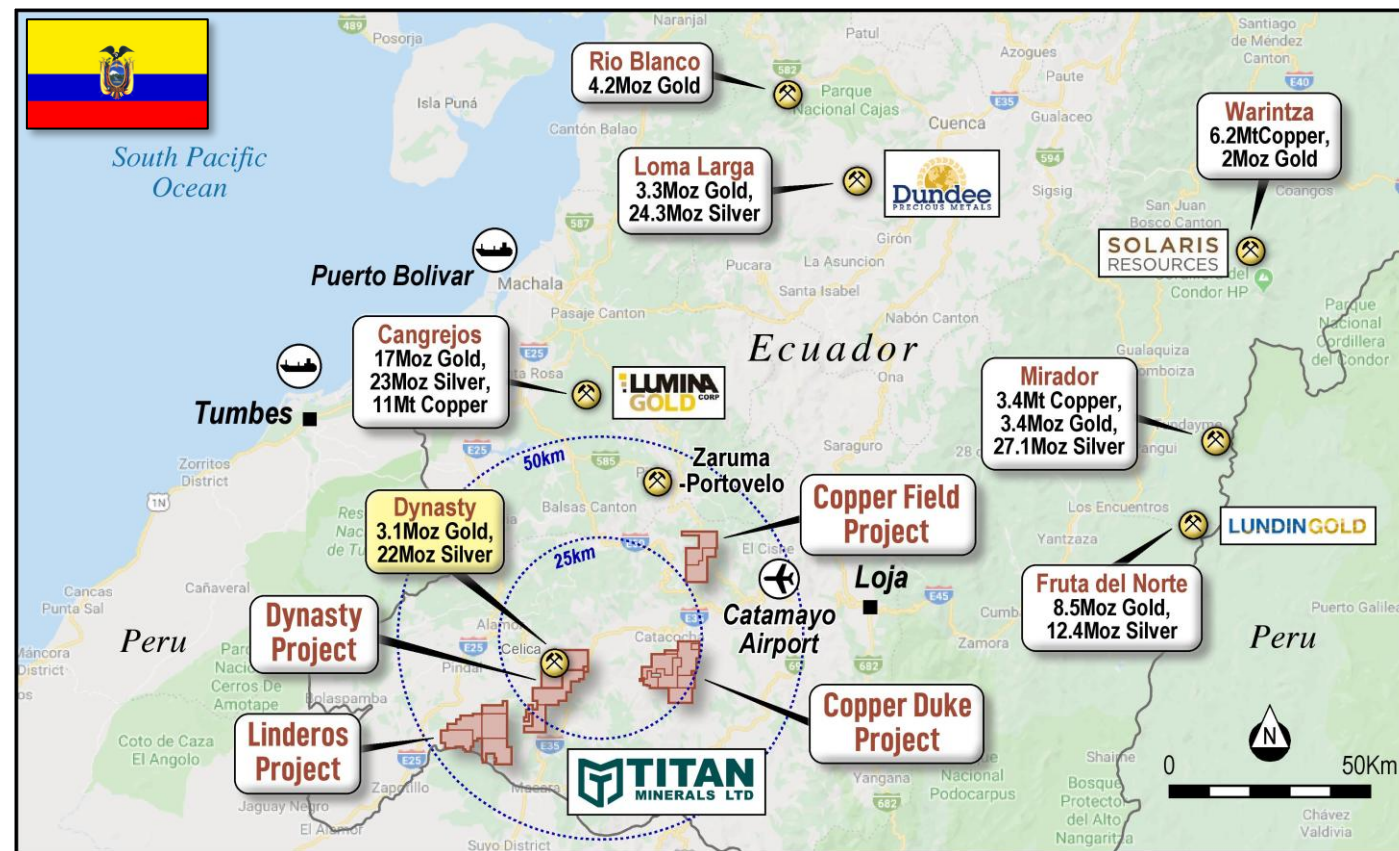
- Optionality and exposure to meaningful scale copper and gold in highly prospective Andean copper belt

2. Good Project Access & Infrastructure

- Low Elevation (~1,100m ASL)
- Exploration year-round
- Infrastructure Rich- hydropower, Pan-American Hwy and Coastal highway network
- Workforce ready

3. Strong Government Support

- Low tax rates, low inflation, fast permitting
- Mining contributes 1-2% GDP, targeting 10-12%
- Several copper and gold projects advancing through development



LUNDINGOLD

SOLARIS
RESOURCES



BHP

BARRICK

LUMINA
GOLD CORP



Newmont

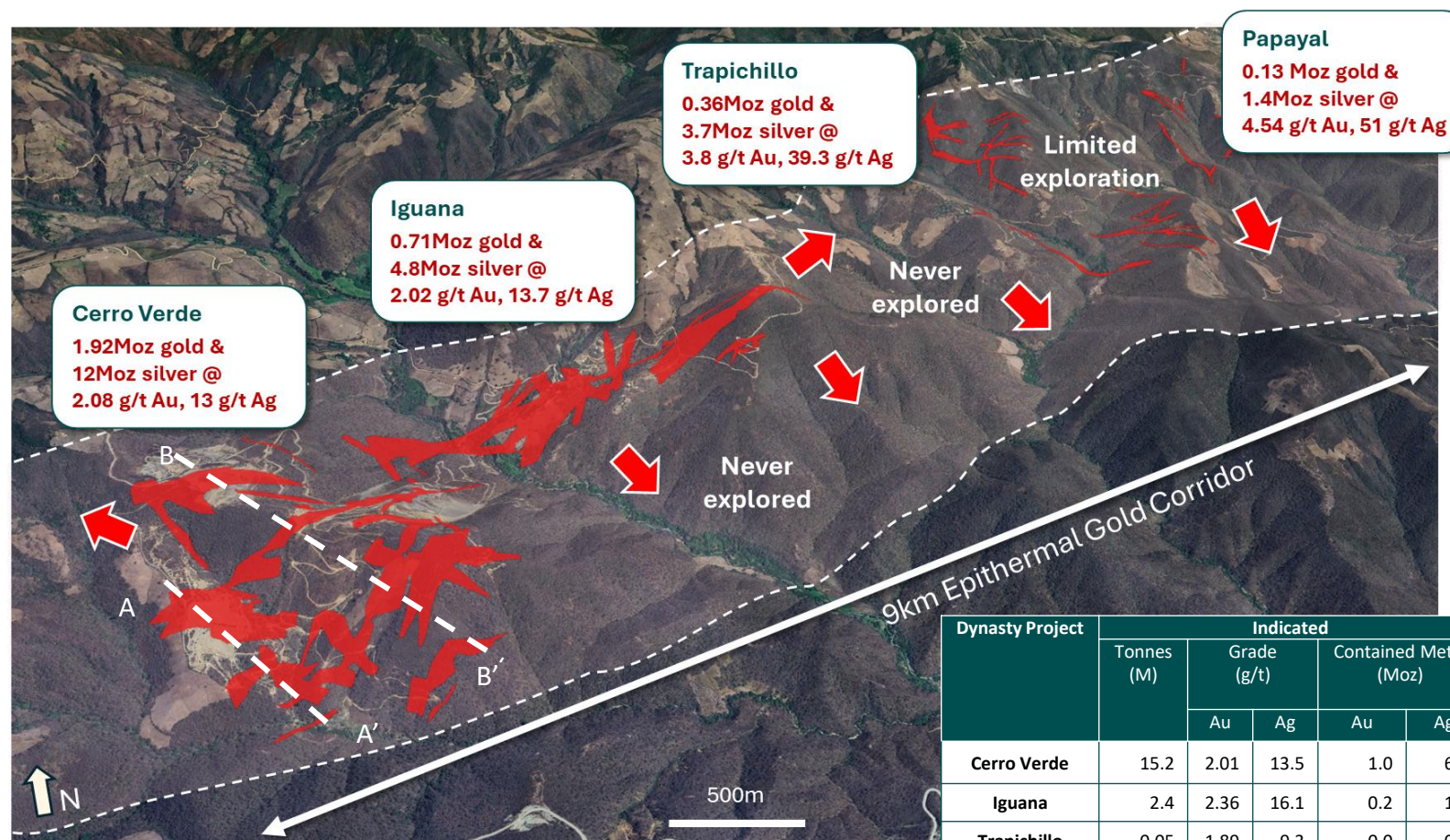


HANCOCK PROSPECTING



Dynasty Gold Project

3.1Moz gold resource established, targeting +5Moz gold

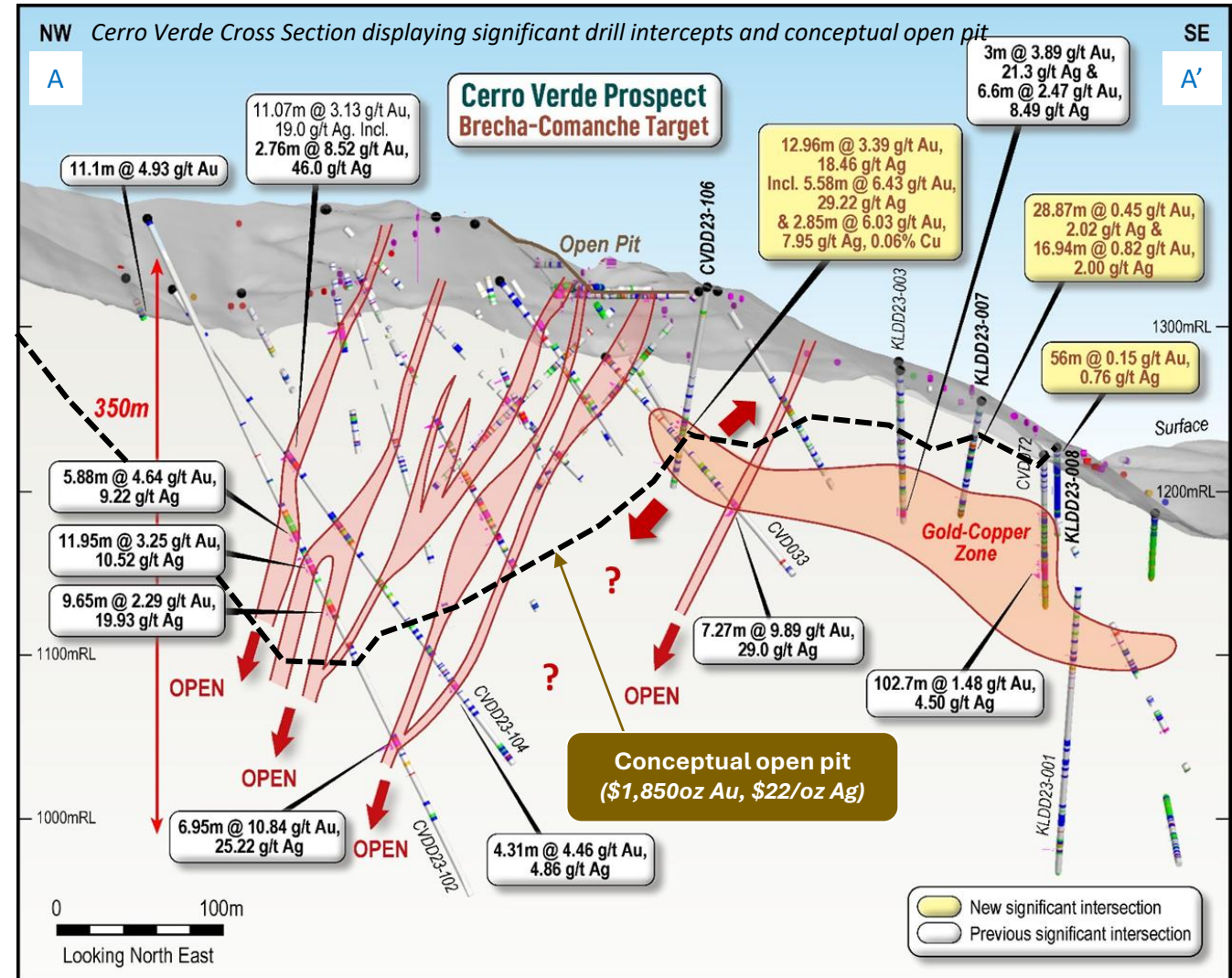
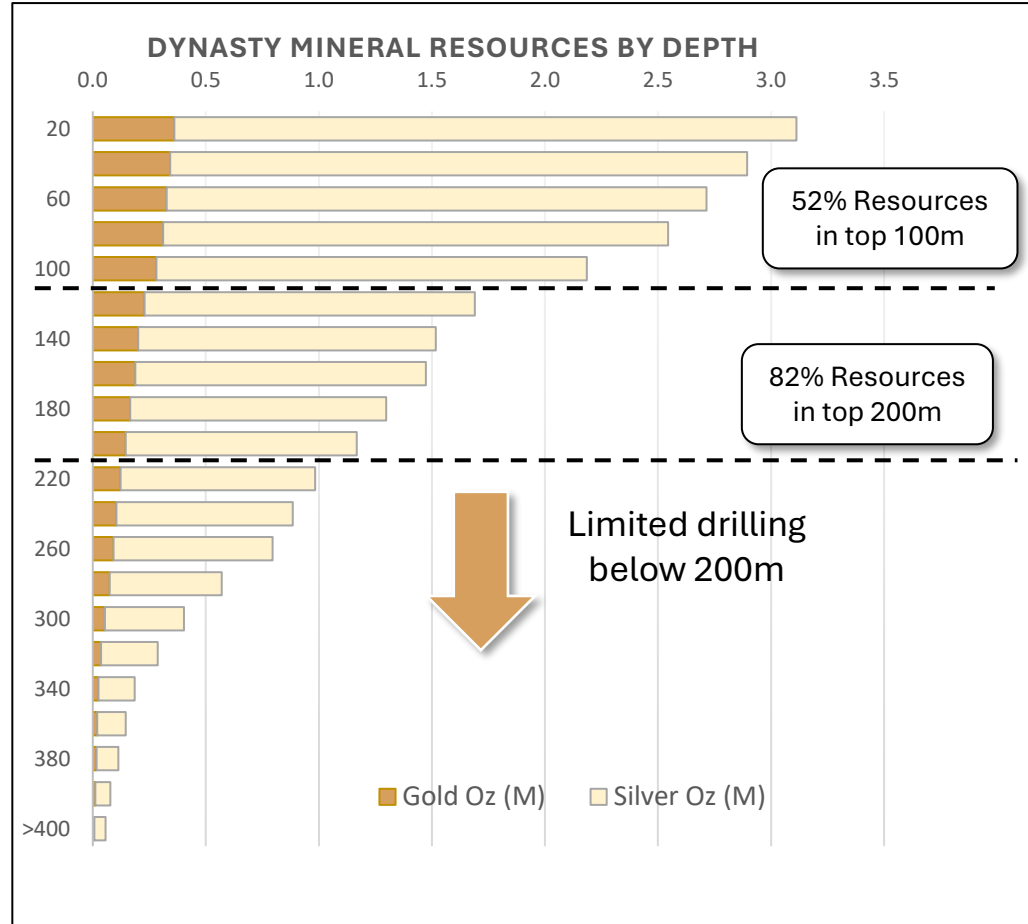


- 9km epithermal gold corridor hosting substantial resource of **3.12Moz gold and 22Moz silver @ 2.2g/t Au, 15g/t Ag* from surface**
- High-grade resources of **2Moz gold and 13Moz silver @ 3.8 g/t Au, 24g/t Ag****
- **Less than half** 9km epithermal system effectively explored
- **+50% resources (1.6Moz)** in top 100m, **+80% resources (2.5Moz)** in top 200m
- 39% Indicated, 61% Inferred

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Cerro Verde	15.2	2.01	13.5	1.0	6.6	13.6	2.15	12.4	0.9	5.5	28.8	2.08	13.0	1.9	12.0
Iguana	2.4	2.36	16.1	0.2	1.2	8.5	1.92	13.0	0.5	3.6	10.9	2.02	13.7	0.7	4.8
Trapichillo	0.05	1.89	9.3	0.0	0.0	2.9	3.83	39.8	0.4	3.7	2.9	3.80	39.3	0.4	3.7
Papayal	0.5	3.04	48.2	0.0	0.7	0.4	6.24	53.8	0.1	0.7	0.9	4.54	50.8	0.1	1.4
Total	18.09	2.09	14.7	1.2	8.6	25.4	2.33	16.4	1.9	13.4	43.5	2.23	15.7	3.1	22.0

Dynasty Gold Project

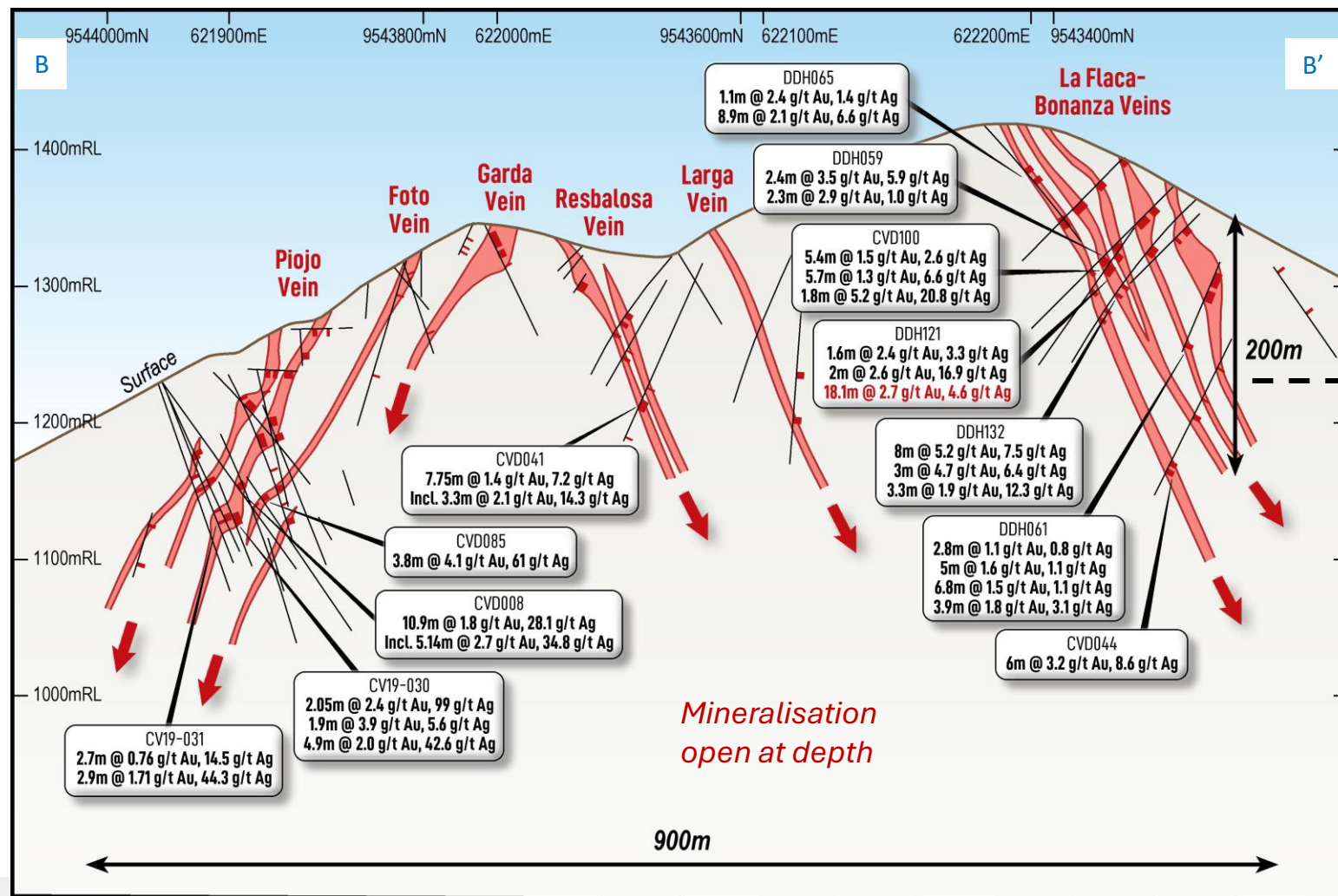
Strong potential to grow resources at depth



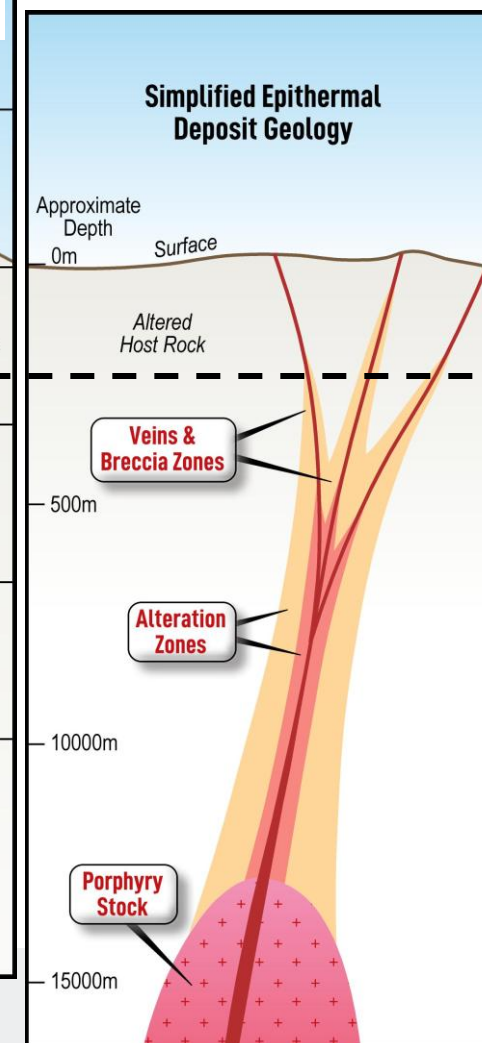


Dynasty Gold Project

Multiple resource depth extensions at Cerro Verde



- Entire 9km corridor open at depth, with sparse drilling below ~ 200m



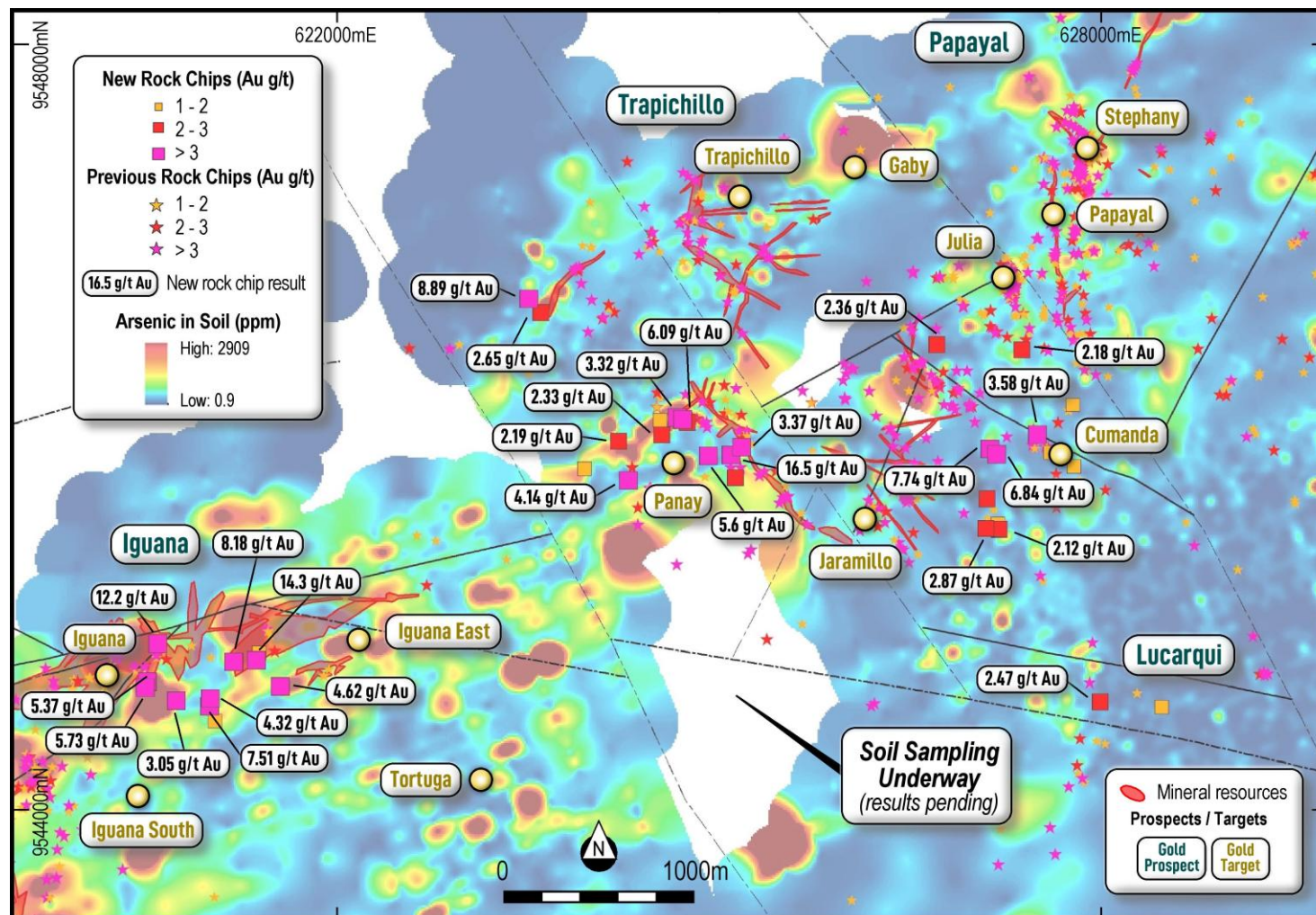
Cerro Verde interpreted to be moderate-high in the epithermal system



Dynasty Gold Project

Gold footprint continues to grow

- **Substantial gold mineralisation and multiple new drill targets** defined by soil geochemistry and mapping outside current resources
- **Gold mineralisation now proven** over the entire 9km corridor
- **Trenching underway** over high priority targets
- **10,000m resource growth** and conversion drilling to commence in the coming month

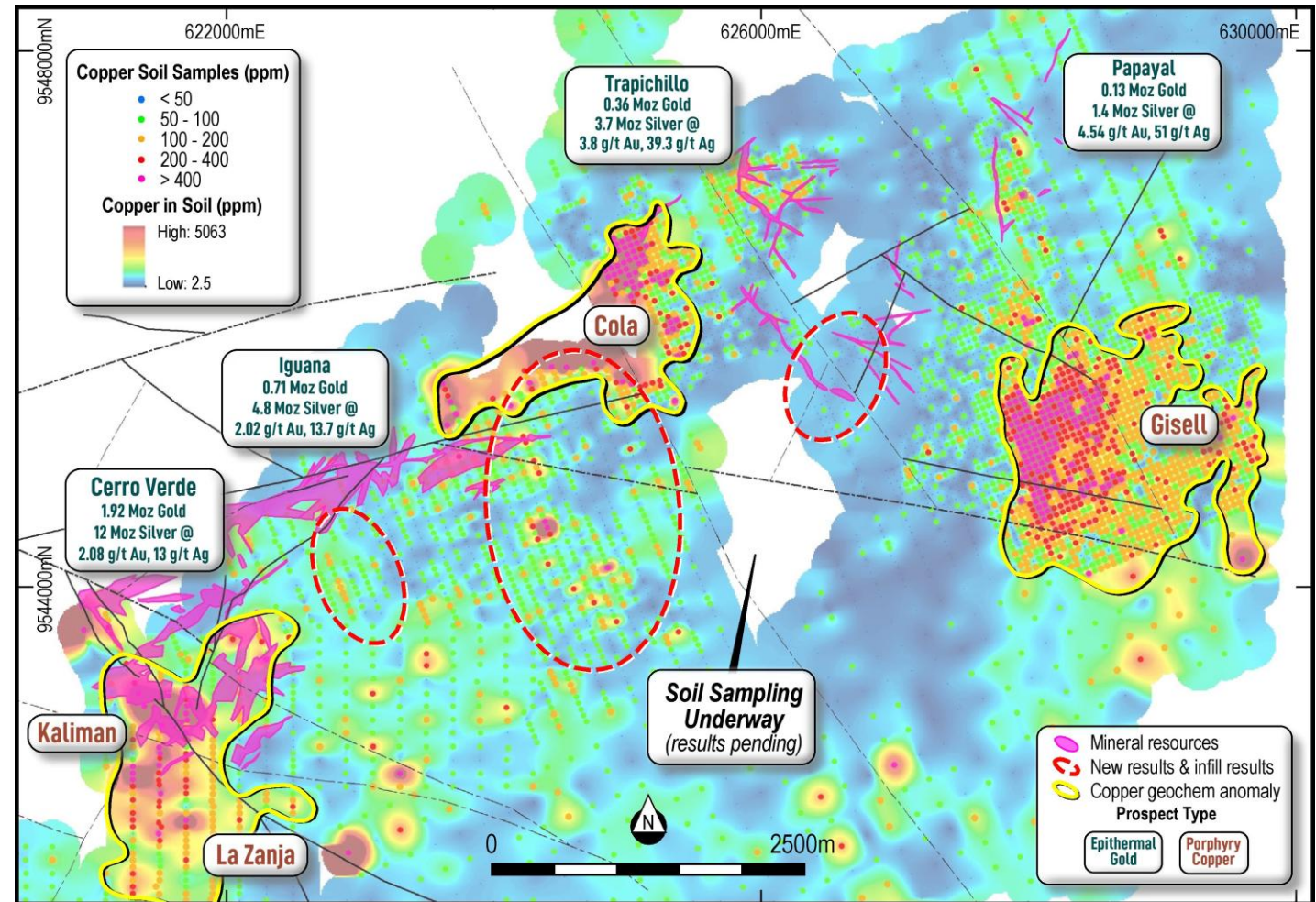


Substantial potential for further gold mineralisation highlighted outside of current resource

Dynasty Gold Project

Shallow copper porphyry targets unveiled

- **Large-scale copper soil anomalies** have revealed several compelling porphyry targets
- Mapping has confirmed porphyry style veining with copper oxide and iron oxide mineralisation at surface
- Secondary chalcocite enrichment observed along fractures with abundant disseminated pyrite
- Disseminated chalcopyrite observed to be predominantly found within massive sulfide veins

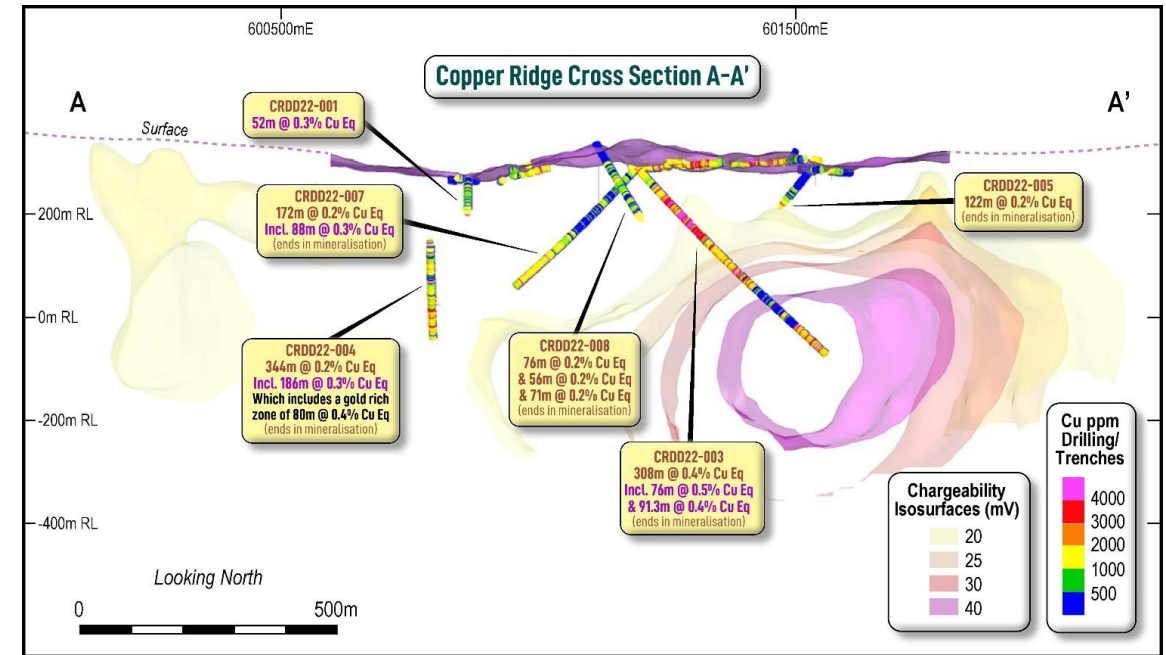


Linderos Copper Project

Hancock Prospecting subsidiary to spend up to US\$120M to earn 80%

- **Major partner secured to explore and develop Linderos Copper Project**, Hancock to earn 80% by spending up to US\$120M or reaching Decision to Mine
- **Potential for much larger porphyry system unveiled**, with IP chargeability mapping phyllic alteration well beyond currently defined Copper Ridge porphyry mineralisation
- **10,000 drilling campaign to commence in Q4 at Copper Ridge porphyry prospect**
- **Hancock Prospecting subsidiary, Hanrine, to acquire up to 80% interest in Linderos Copper Project**, earn-in milestones:

1. **US\$2M upfront payment** to earn initial 5%. **US\$250K already received, US\$1.75M balance due upon execution of agreement.**
2. **10,000m drilling**, (or additional expenditure of **US\$8M**), to earn 25% (cumulative earn-in 30%).
3. **15,000m drilling**, (or additional expenditure of **US\$12M**), to earn 21% (cumulative earn in 51%).
4. **At Decision to Mine**, (or total expenditure of **US\$120M**), Hanrine earn 29% (total cumulative earn in 80%).

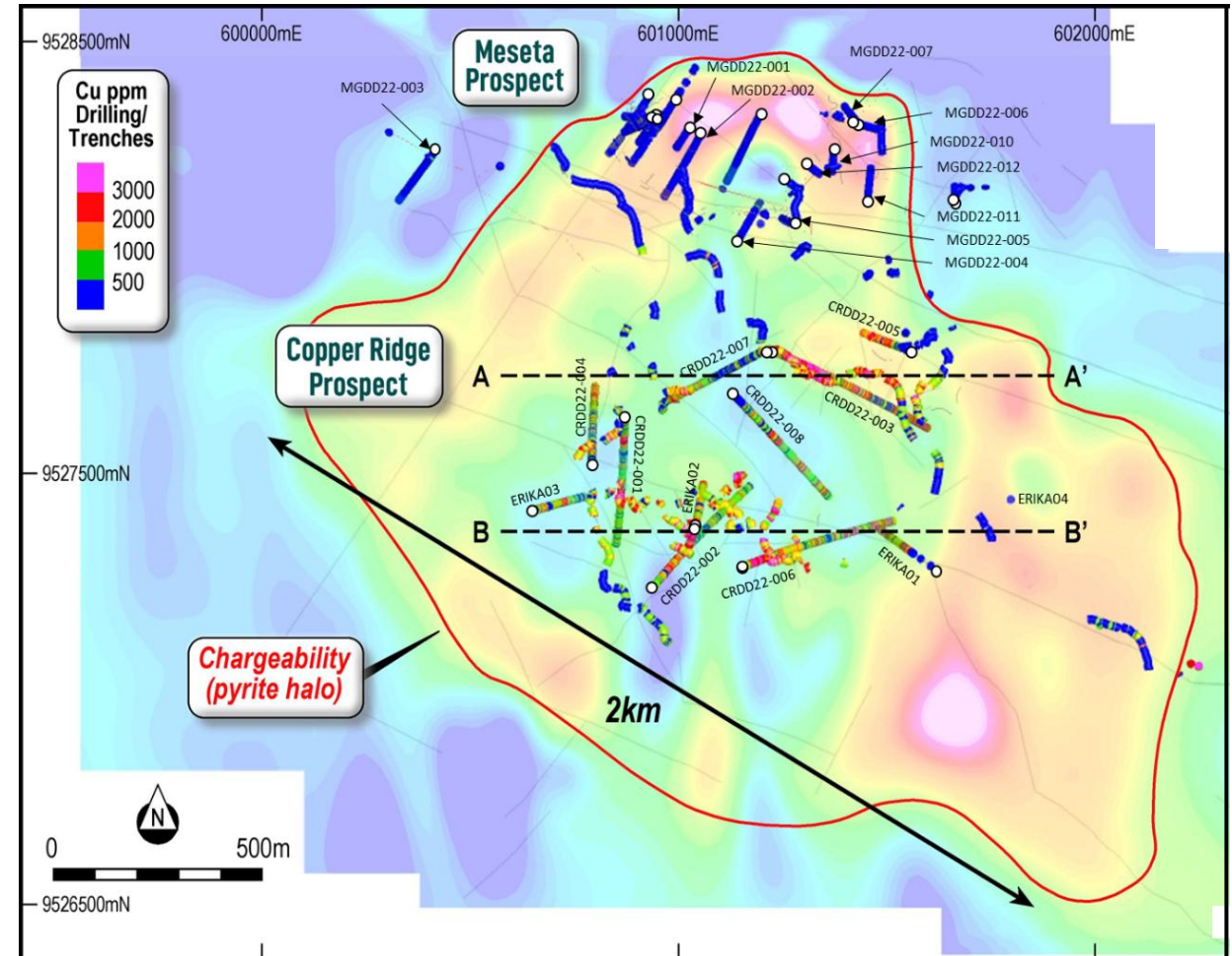


HANCOCK PROSPECTING

Linderos Copper Project

Partner secured to explore & develop Linderos to its full potential

- **Porphyry copper system** to extend from surface, confirmed by mapping, trenching and drilling, mineralisation remains open
- **+2km porphyry copper system** confirmed by geophysics, mapping phyllic alteration beyond drill defined porphyry
- **Meseta high-grade epithermal gold** system drill confirmed adjacent to Copper Ridge porphyry, mineralisation remains open
- Trenching at Meseta has unveiled a phyllic altered diorite porphyry, suggesting **proximal to a large porphyry copper system**



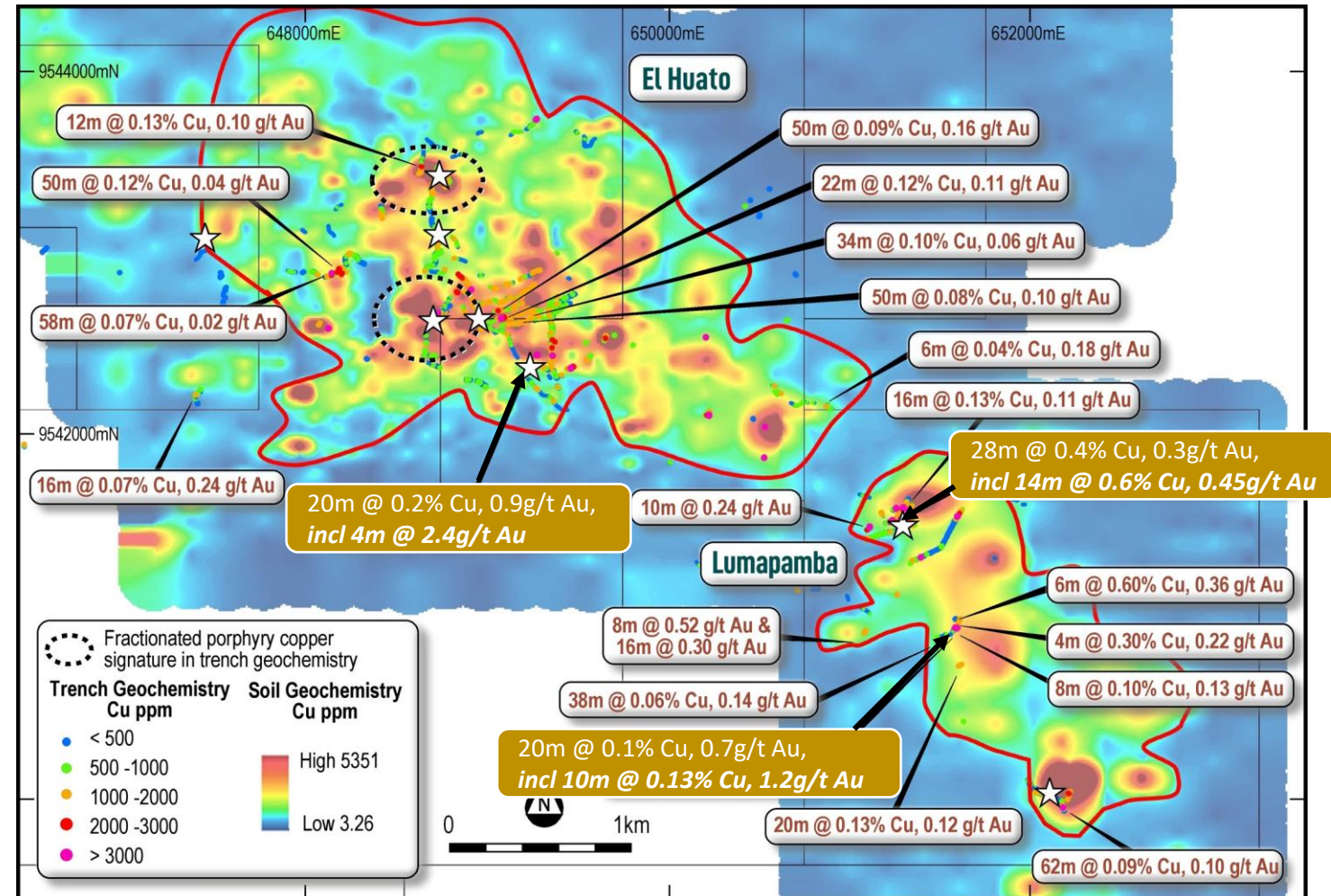
3D IP Chargeability Depth Slice at 180mRL, ~170m below surface

Copper Duke Project

Potential tier 1 porphyry copper discovery set to be unveiled

- 7km porphyry alteration footprint
- Same magma type as Tier 1 porphyry systems and same agem mineralisation as mega-porphyry copper deposits of Peru
- Long lived mineral system, multiple outcropping targets – porphyry copper, breccia copper, skarn, intrusion related gold, and epithermal gold
- High priority targets defined, with drilling permits in place
- Best technical experts guiding exploration strategy

Copper Duke Project highlighting soil and trench sample geochemistry (Cu ppm)





Long Term Partnerships with Key Stakeholders

Commitment to transparency, education, employment and inclusion



1

ENVIRONMENTAL RESPECT

Responsible exploration ensuring minimal disturbance to native vegetation and natural landscape

2

COMMUNITY BENEFIT

Working to benefit local communities, skills training, local partnerships and community initiatives

3

BIG IDEAS

Exploring blue-sky opportunities in fertile systems for game changing discoveries and sustainable projects

4

RESPONSIBLE STEWARDSHIP

Commitment to integrity, safety, best practice and responsible planning and management of resources

Strong relationships being forged, communities are seeing the benefits of Titan's presence, with the opportunity for training, employment and community development initiatives.



What's Next? Growth through Discovery & Development

Multiple value accretive workstreams underway with optionality



Dynasty Resource Growth
drilling targeting 4Moz gold in resources, set to commence late Q3 2024



Dynasty Gold Project- ongoing exploration programs expanded into new, highly prospective areas, never previously explored



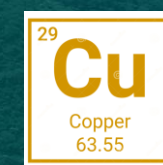
Dynasty Pre-scoping mine study indicates large open pit followed by underground longhole open stoping



Dynasty Gold Project- targeting resource growth and conversion, with key feasibility workstreams underway



JV Agreement for Linderos Copper Project secured - 10,000m drilling program to commence in Q4 2024



3 Copper projects offer exposure to meaningful scale copper, with significant inbound interest and M&A growing!



 @titanminerals
 info@titanminerals.com.au
 +61 8 6555 2950

ASX: TTM



TITANMINERALS.COM.AU

